

JUN 21 1982

U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS
MATERIAL SAFETY DATA SHEETFORM NO. OSHA-20 (MODIFIED)
MAY 1971MDC CONTROL NO. **DMS 1829**

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME	PEMACO INC.	EMERGENCY TELEPHONE NO.	(213) 581-7185
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)			
5989 District Blvd., Maywood, Ca. 90270			
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS	
Heavy duty soluble cutting oil		PEMS 200-S	
CHEMICAL FAMILY		FORMULA	
Hydrocarbon oil plus additives		TM-200	

SECTION II: HAZARDOUS INGREDIENTS*

PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*				%	TLV (UNITS)
none					

SECTION III: PHYSICAL DATA

BOILING POINT (°F)		SPECIFIC GRAVITY (H ₂ O = 1) @60°F.	0.955
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR = 1)		EVAPORATION RATE	
SOLUBILITY IN WATER	Not soluble, but emulsifies readily.		
APPEARANCE AND ODOR	Blue liquid with slight characteristic odor.		

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	320°F (C.O.C.)	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA	Dry Chemicals, foam, CO ₂			
SPECIAL FIRE FIGHTING PROCEDURES	Do not use water except as fog.			

UNUSUAL FIRE AND EXPLOSION HAZARDS

none

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

5 mg./cubic meter (applies to mist only)

EFFECTS OF OVEREXPOSURE

Slight irritation to skin and eyes.

EMERGENCY AND FIRST AID PROCEDURES

Skin - wash thoroughly with soap and water

Eyes - flush with copious quantities of water for at least 15 minutes.

Ingestion - induce vomiting, get immediate medical attention.

SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID
	STABLE	
		X

INCOMPATIBILITY (MATERIALS TO AVOID)

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO₂, NO_x, SO_x, HCl may be formed upon combustion.

HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
	WILL NOT OCCUR	
		X

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Absorb with clay, diatomaceous earth or other inert material.

WASTE DISPOSAL METHOD

Controlled burning in compliance with local regulations; dispose with plant oil wastes.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

Not normally required.

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (GENERAL)	OTHER
	As required if mist is generated.	

PROTECTIVE GLOVES	EYE PROTECTION
Neoprene gloves.	Goggles if oil is sprayed or misted.

OTHER PROTECTIVE EQUIPMENT

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool protected area.

OTHER PRECAUTIONS

Avoid breathing of oil vapors or mist. Avoid repeated or prolonged skin contact.

PREPARED BY

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June 8, 1982

DATE